

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A polymer complex comprising the reaction product of one or more polymers having a terminal or pendant hydroxyl group, or a terminal or pendent carboxyl group, or combinations thereof, said one or more polymers including a ketone-formaldehyde copolymer, with at least one metal complex and at least one alkyl phosphate.
2. (Original) The polymer complex of claim 1, wherein said metal complex is metal orthoester.
3. (Original) The polymer complex of claim 2, wherein said metal orthoester has the formula metal(OR)₄, wherein each of the four R groups is independently an alkyl group.
4. (Original) The polymer complex of claim 3, wherein said alkyl group is a C₁ to C₈ alkyl group.
5. (Original) The polymer complex of claim 3, wherein said alkyl group is a C₃ to C₄ alkyl group.
6. (Original) The polymer complex of claim 2, wherein said metal orthoester is tetraisopropyltitanate.
7. (Previously Presented) The polymer complex of claim 1, wherein said alkyl phosphate is a monoalkyl phosphate having the formula R₁PO(OH)₂ and a dialkyl phosphate having the formula (R₂O)(R₃O)PO(OH), wherein each of R₁, R₂ and R₃ is independently an alkyl.
8. (Currently Amended) The polymer complex of claim 7, wherein said alkyl group is a C₁ to C₁₀ alkyl group.
9. (Original) The polymer complex of claim 7, wherein said alkyl group is a C₁ to C₅ alkyl group.
10. (Original) The polymer complex of claim 1, wherein said alkyl phosphate is amylo acid phosphate.

11. (Original) The polymer complex of claim 1, wherein said polymer is natural or synthetic polymer

12. (Canceled)

13. (Currently Amended) An adhesion promoting agent in an ink or coating composition comprising the reaction product of one or more polymers having a terminal or pendant hydroxyl group, or a terminal or pendent carboxyl group, or combinations thereof, said one or more polymers including a ketone-formaldehyde copolymer, with at least one metal complex, and at least one alkyl phosphate.

14. (Original) The adhesion promoting agent of claim 13 wherein said agent also promotes viscosity stability in an ink or coating composition.

15. (Original) The agent of claim 13, wherein said metal complex is metal orthoester.

16. (Original) The agent of claim 15, wherein said metal orthoester has the formula metal(OR)₄, wherein each of the four R groups is independently an alkyl group.

17. (Original) The agent of claim 16, wherein said alkyl group is a C₁ to C₈ alkyl group.

18. (Original) The agent of claim 16, wherein said alkyl group is a C₃ to C₄ alkyl group.

19. (Original) The agent of claim 15, wherein said metal orthoester is tetraisopropyltitanate.

20. (Previously Presented) The agent of claim 13, wherein said alkyl phosphate is a monoalkyl phosphate having the formula R₁PO(OH)₂ and a dialkyl phosphate having the formula (R₂O)(R₃O)PO(OH), wherein each of R₁, R₂ and R₃ is independently an alkyl.

21. (Currently Amended) The agent of claim 20, wherein said alkyl group is a C₁ to C₁₀ alkyl group.

22. (Original) The agent of claim 20, wherein said alkyl group is a C₁ to C₅ alkyl group.

23. (Original) The agent of claim 13, wherein said alkyl phosphate is amyl acid phosphate.

24. (Original) The agent of claim 13, wherein said polymer is natural or synthetic polymer.

25. (Canceled)

26. (Currently Amended) An ink or coating composition containing an adhesion promoting agent comprising the reaction product of one or more polymers having a terminal or pendant hydroxyl group, or a terminal or pendent carboxyl group, or combinations thereof, said one or more polymers including a ketone-formaldehyde copolymer, with at least one metal complex and at least one alkyl phosphate.

27. (Original) The composition of claim 26, wherein said metal complex is metal orthoester.

28. (Original) The composition of claim 27, wherein said metal orthoester has the formula metal(OR)₄, wherein each of the four R groups is independently an alkyl group.

29. (Original) The composition of claim 28, wherein said alkyl group is a C₁ to C₈ alkyl group.

30. (Original) The composition of claim 28, wherein said alkyl group is a C₃ to C₄ alkyl group.

31. (Original) The composition of claim 27, wherein said metal orthoester is tetraisopropyltitanate.

32. (Previously Presented) The composition of claim 26, wherein said alkyl phosphate is a monoalkyl phosphate having the formula R₁PO(OH)₂ and a dialkyl phosphate having the formula (R₂O)(R₃O)PO(OH), wherein each of R₁, R₂ and R₃ is independently an alkyl.

33. (Currently Amended) The composition of claim 32, wherein said alkyl group is a C₁ to C₁₀ alkyl group.

34. (Original) The composition of claim 32, wherein said alkyl group is a C₁ to C₅ alkyl group.

35. (Currently Amended) The composition of claim [[25]] 26, wherein said alkyl phosphate is amyl acid phosphate.

36. (Original) The composition of claim 26, wherein said polymer is natural or synthetic polymer

37. (Canceled)

38. (Currently Amended) A method of improving the adhesion performance of an ink or coating composition comprising adding to said composition an agent comprising the reaction product of one or more polymers having a terminal or pendant hydroxyl group, or a terminal or pendent carboxyl group, or combinations thereof, said one or more polymers including a ketone-formaldehyde copolymer, and at least one metal complex and at least one alkyl phosphate.

39. (Original) The method of claim 38 wherein the viscosity stability of an ink or coating composition is also enhanced.

40. (Original) The method of claim 40, wherein said metal complex is metal orthoester.

41. (Original) The method of claim 40, wherein said metal orthoester has the formula metal(OR)₄, wherein each of the four R groups is independently an alkyl group.

42. (Original) The method of claim 41, wherein said alkyl group is a C₁ to C₈ alkyl group.

43. (Original) The method of claim 41, wherein said alkyl group is a C₃ to C₄ alkyl group.

44. (Original) The method of claim 40, wherein said metal orthoester is tetraisopropylitanate.

45. (Previously Presented) The method of claim 38, wherein said alkyl phosphate is a monoalkyl phosphate having the formula R₁PO(OH)₂ and a dialkyl phosphate having the formula (R₂O)(R₃O)PO(OH), wherein each of R₁, R₂ and R₃ is independently an alkyl.

46. (Currently Amended) The method of claim 45, wherein said alkyl group is a C₁ to C₁₀ alkyl group.

47. (Original) The method of claim 45, wherein said alkyl group is a C₁ to C₅ alkyl group.

48. (Original) The method of claim 38, wherein said alkyl phosphate is amy1 acid phosphate.

49. (Original) The method of claim 38, wherein said polymer is natural or synthetic polymer.

50. (Canceled)

51. (Currently Amended) A method of stabilizing the viscosity of an ink or coating composition comprising adding to said composition an agent comprising the reaction product of one or more polymers having a terminal or pendant hydroxyl group, or a terminal or pendent carboxyl group, or combinations thereof, said one or more polymers including a ketone-formaldehyde copolymer, with at least one metal complex and at least one alkyl phosphate.

52. (Original) The method of claim 51, wherein said metal complex is metal orthoester.

53. (Original) The method of claim 51, wherein said metal orthoester has the formula metal(OR)₄, wherein each of the four R groups is independently an alkyl group.

54. (Original) The method of claim 53, wherein said alkyl group is a C₁ to C₈ alkyl group.

55. (Original) The method of claim 53, wherein said alkyl group is a C₃ to C₄ alkyl group.

56. (Original) The method of claim 51, wherein said metal orthoester is tetraisopropyltitanate.

57. (Previously Presented) The method of claim 51, wherein said alkyl phosphate is a monoalkyl phosphate having the formula R₁PO(OH)₂ and a dialkyl phosphate having the formula (R₂O)(R₃O)PO(OH), wherein each of R₁, R₂ and R₃ is independently an alkyl.

58. (Original) The method of claim 57, wherein said alkyl group is a C₁ to C₁₀ alkyl group.

59. (Original) The method of claim 57, wherein said alkyl group is a C₁ to C₅ alkyl group.

60. (Original) The method of claim 51, wherein said alkyl phosphate is amy1 acid phosphate.

61. (Original) The method of claim 51, wherein said polymer is natural or synthetic polymer.

62. (Canceled)